# TENDER NOTICE

# FOR

# SUPPLY, INSTALLATION & MAINTENANCE

# OF

# X' RAY BAGGAGE INSPECTION SYSTEM (XBIS).

# AT

# BARODA TOWERS

# BANK OF BARODA

# ZONAL OFFICE, EASTERN ZONE

# KOLKATA

Bank of Baroda
Baroda Towers
Plot 38/2, Block GN
Sector- V, Salt Lake City
Kolkata – 700 091
Tel : 33-23401602, 23401721

# Tender Notice for Procurement of a XBIS

Bank Of Baroda invites sealed offers in two bid system from firms supplying and maintaining X-RayBaggage Inspection System (XBIS) and having their own Office in Kolkata for supply, installation, commissioning, testing and maintaining a XBIS at our office at Baroda Towers,Plot No. 38/2, Block-GN, Sector –V, Salt Lake City, Kolkata 700091.

For complete details, formats and terms & conditions of tender please log on to Bank's website www.bankofbaroda.com. Tender Forms can also be obtained from Chief Manager, Security on the sixth floor, at the above address on payment of Rs.2000/- (Non-Refundable) by way of Demand Draft / Pay Order favoring Bank of Baroda payable at Kolkata. However, Tender Form downloaded from website shall accompany the Pay Order / Demand Draft for Rs.2000/-along with the Technical Offer.

Date of commencement of issue of Tender Forms : 03-02-2014
Last date for submission of Tender Forms : 23-02-2014 up to 3.00 p.m.
Opening of Tender Forms (Technical Offer) : 23-02-2014 at 3.30 p.m.
Estimated Tender Cost : Rs.20 lakhs
Earnest Money Deposit (Bid Security) : Rs.20000/-

Offers from firms not having their own offices at Kolkata will not be considered. The Bank reserves the right to reject any/all applications without assigning any reason whatsoever

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# TECHNICAL OFFER (ENVELOPE –I)

## SECTION - I
## Scope of Work

Supply, Installation, commissioning, testing and maintaining of XBIS in Bank of Baroda at their office at Plot No. 38/2, Block-GN, Baroda Towers, Salt Lake City, Sector-V, Kolkata – 700091

## SECTION - II
## TERMS & CONDITIONS

1.1 Installation of XBIS system is to be completed within a period of four weeks commencing from the date of acceptance of the purchase order issued by the Bank.

1.2 Any delay in completion of the work over the stipulated period will attract penalty of 0.2% of the contract value per day subject to maximum of 10% of the contract value. The Bank reserves it's right to recover these amounts by any mode, which includes adjusting from any payment to be made by the Bank to the supplier.

## 2. ELIGIBILITY CRITERIA FOR SHORT-LISTING

The preliminary evaluation will be done on the following parameters and offers from firms not conforming to any of these parameters will be rejected.

**Financial & Technical Parameters:**

| | | |
|---|---|---|
| **Sr. No.** | **Parameters** | **Remarks** |
| 1 | Average Sales Volume of the firm in the last 3 years | The firms should have average annual sales turnover of Rs10 Crores or above in the last 3 years. |
| 2 | Profit in the previous financial years | The firm should have earned profit during the last three years. |
| 3 | Works executed in the last 3 years. | The firm should have installed at least in the country in the last 3 years –<br>(a) One similar work of 80% of cost OR<br>(b) Two similar works of 50% of cost OR<br>(c) Three similar works of 40% of cost |
| 4 | No. of years in XBIS Business | Minimum 5 years in the business is required |
| 5 | Own office and service center at Kolkata. | The firm should have its own office and Service Centre functioning in Kolkata for not less than three years as on the date of commencement of issue of Tender Forms. |
| 6 | Reference site | Furnish details like name, address and telephone numbers of customers, as per Annexure-VI, to whom XBIS systems have been supplied during the last 3 years – Minimum requirement is 3 Reference sites. |
| 7 | No. of qualified engineers in Kolkata | Mention number of qualified engineers of the firm. Minimum five qualified engineers (Degree/Diploma holders) in Kolkata are required. |

2.1 Intending suppliers should furnish details about their firm as per manufacturer's profile (Annexure - II).

2.2 Earnest money for Rs. 20000/- to be remitted by means of Pay Order / Draft drawn in favour of Bank of Baroda, payable at Kolkata and should be enclosed along with the technical offer.

## 3. TWO BID SYSTEM OFFER

The offer will be in two parts; Technical & Commercial. Both the parts should be submitted in separate sealed covers duly super-scribed "Technical Offer for XBIS" and "Commercial Offer for XBIS" respectively and both sealed envelopes should be placed in another sealed envelope super-scribed "Offer for XBIS" and should be submitted latest by 3.00 p.m., on 25-01-2014. The offer should be dropped in the Tender Box in Bank of Baroda, Baroda Towers, 6th Floor, Plot No. 38/2, Block-GN, Baroda Towers, Salt Lake City, Sector-V, Kolkata – 700091

## 4. EARNEST MONEY DEPOSIT

Earnest Money Deposit of Rs.20000/- (Rupees Twenty Thousand only), in the form of a demand draft/pay order issued by a scheduled commercial bank favouring Bank of Baroda, payable at Kolkata must be submitted along with the Technical Offer. Offers not accompanied with Earnest Money Deposit of Rs.20000/- will not be accepted. This amount will be forfeited if, having been selected by the Bank for the job, the offerer refuses to accept purchase order or having accepted the purchase order, fails to carry out his obligations mentioned therein. Bank Guarantee in lieu of Earnest Money Deposit will not be accepted. No interest will be payable on the Earnest Money Deposit. The Earnest Money Deposit will be refunded to the unsuccessful offerers. The Earnest money paid by the successful Offerer will be released only after satisfactory commissioning of the XBIS.

## 5. RETENTION MONEY

5% of the gross value of the bill shall be deducted from the bill as retention money. 50% of the retention amount shall be refunded to the contractor on successful completion of work. Balance50% shall be released after defect liability period of 1 Year.

## 6. TECHNICAL OFFER (TO)

6.1 The Technical Offer (TO) should be complete in all respects and contain all information asked for in this document. It should not contain any price information. However TO should confirm that all required rates have been quoted in Commercial Offer (CO), without showing the actual amounts in the TO. Any hardware accessories, software or operating system supplied free along with the system or at a cost must be indicatedseparately and specifically.

6.2 It is mandatory to submit the technical details in the prescribed pro-forma [Annexure –III] duly filled in, along with your offer. In case of non-submission or partial submission of technical details, the Bank, at its discretion, may not evaluate the offer. The TO must be submitted in an organized and structured manner. No brochures/leaflets etc. should be submitted in loose form.

## 7. The Technical Offer should comprise of following:

7.1 Covering letter on the prescribed format (Annexure-I).
7.2 Earnest Money Deposit of Rs.20000/-s, in the form of a demand draft / pay order issued by a scheduled commercial bank favouring Bank of Baroda, payable at Kolkata.
7.3 Supplier's profile as per Annexure II.
7.4 Technical Specifications complete with all rows/columns filled in [Annexure – III].
7.5 Unpriced version of bill of material [Annexure – IV]
7.6 Self Assessed Evaluation Parameters and weightage marks as per Annexure – V.
7.7 Documentation (Product Brochures, leaflets, manuals etc.)
7.8 Details of reference sites as per Annexure-VI.
7.9 Copy of A.E.R.B. certificate for radiation safety as per standards.
7.10 Copy of A.E.R.B. certificate on food and film safety.
7.11 Tender fee (Rs. 2000/-) by agencies downloading application from website.

## 8. COMMERCIAL OFFER

8.1 The Commercial Offer (CO) should contain relevant price information and the rates should be quoted in Indian Rupees only. The CO should not contradict the TO in any manner. The CO should comprise the Commercial Version of Bill of Material as per Annexure-VII and must contain all the price information.

8.2 The offer from the supplier should be for a specific model. The Bank reserves the right to reject any offer with multiple options.

## 9. PRICE COMPOSITION

9.1 The price quoted should be only in Indian rupees and inclusive of following

9.1.1 Cost of the 'XBIS' machine with accessories F.O.R. destination..
9.1.2 All taxes, duties and levies (excepting octroi, which will be at actual).
9.1.3 Installation and commissioning charges, if any.
9.1.4 Cost of training to be imparted as per para-6 of Annexure-III.
9.1.5 One year comprehensive onsite warranty maintenance covering all parts, service, and visits to the site.
9.1.6 Post warranty comprehensive AMC for 5 years after defect liability period of 12 months covering the entire XBIS encompassing all software/hardware items, accessories, spares and consumables including conveyor belt and lead flaps(curtains).

9.2 The Bank will shortlist suppliers, who satisfy technical and other requirements laid down in the document. The commercial offers of only the short listed suppliers will be opened. Short listed suppliers will be notified by e-mail / post and the supplier / authorized representative may be present at the time of opening of the Technical and Commercial Offer(s).

9.3 No advance will be paid by the bank. Bill to be submitted with duly receipted challan invoice for payment.

9.4 On satisfactory completion of the job, the bank will recover TDS, VAT and 5% retention money to be held as detailed in Para 5 above.

## 10. NO ERASURES OR ALTERATIONS

Technical / Commercial details must be completely filled up. Corrections or alterations, if any should be authenticated.

## 11. NO PRICE VARIATIONS

The commercial offer shall be on a fixed price basis. No upward revision in the price will be considered on account of subsequent increase in customs duty, excise tax, sales tax, etc. However, if there is any reduction in government levies/taxes, during the offer validity period, the same shall be passed on to the Bank.

## 12. VALIDITY OF OFFER

The offer should be valid for period of 120 days from the last date for submission of the offer.

## 13.EVALUATION PROCESS

Offers will be evaluated in the following stages:

### 13.1 Stage I

Offers will be evaluated against the stipulated minimum eligibility criteria. Offers not complying with the eligibility criteria will be rejected summarily.

### 13.2 Stage II

A technical evaluation of proposals will be carried out. Offers received without fulfilling the following conditions shall not be evaluated.

13.2.1 If offer is incomplete and/or not accompanied by all stipulated documents
13.2.2 If any of the terms and conditions stipulated in this document is not accepted and letter as per Annexure - I is not submitted.
13.2.3 If any of the specifications stipulated in Annexure - III is not met.
13.2.4 If un-priced commercial bid is not submitted as per Annexure IV.

### 13.3 Stage III

Short-listing of supplier(s) based on the technical evaluation.

### 13.4 Stage IV

Opening and normalization of commercial offers of the short-listed supplier(s).

## 14. NO COMMITMENT TO ACCEPT LOWEST OR ANY TENDER

The Bank shall be under no obligation to accept the lowest or any other offer received in response to this notice and shall be entitled to reject any or all offers without assigning any reasons whatsoever.

## 15. OPENING OF OFFERS

Technical Offers will be opened at 3.30 p.m., on 25-01-2014. The offerers / their representatives may be present at the time of opening of the Technical Offers. No separate intimation will be sent in this regard to the suppliers for deputing their representatives. The Technical Offers will be opened at the time and date stipulated above irrespective of the number of offerers or their representatives present.

## 16. Health and safety

a) The model of the equipment to be supplied should be certified by the Atomic Energy Regulatory Board (A.E.R.B.) of India for radiation safety as per standards. Copy of the certificate should be attached with Technical offer.

b) Separate certification from A.E.R.B. on food and film safety should also be attached.

## 17. ORDER CANCELLATION

If the vendor fails to deliver and/or install the equipment within the stipulated time schedule or the extended date communicated by the Bank, it will be a breach of contract. The Bank reserves the right to cancel the order in the event of delay in delivery / installation / commissioning of equipment and forfeit the Earnest Money Deposit.

## 18. PAYMENT TERMS

No advance amount will be paid to suppliers. The entire payment will be released after successful supply, installation, testing, commencement and functioning of the XBIS system and submission of an unconditional Performance Bank Guarantee for 10% of Invoice Value as stipulated in point No.19 below.

## 19. PERFORMANCE BANK GUARANTEE

Successful supplier should produce an unconditional Performance Bank Guarantee from a Public Sector Bank (other than Bank of Baroda) equal to 10% of the total cost of the project and effective for a period of 30 months from the date of order. During defect liability period (warranty period) supplier should attend to all repairs / defects / replacement of major/minor spare parts free of cost. In case of failure on the part of the supplier to attend to the defects within a reasonable period, the Bank on its own will get the defects rectified through another agency at the risk and cost of supplier and repairs rectified through another agency in such circumstance will not affect the liabilities of the supplier on the warranty for its remaining period nor will it affect the supplier's liabilities on the stipulated post-warranty Annual Maintenance Contracts.

## 20. GUARANTEES

The XBIS including all components delivered to the Bank should be brand new. The supplier should also guarantee that all the software / components supplied by the supplier is licensed and legally obtained.

## 21. AVAILABILITY OF SPARES

Spares for the product offered should be available for at least 10 years.

## 22. WARRANTY

22.1 The offer must include comprehensive on-site warranty of one year from the date of installation and commissioning of the equipment.

22.2 Supplier shall be fully responsible for the manufacturer's warranty in respect of proper design, quality and workmanship of all equipments, accessories, etc., covered by the offer. The supplier must warrant all equipments, accessories, spare parts etc., against any manufacturing defects during the warranty period. During the warranty period the supplier shall maintain the equipment and repair / replace all the defective components at the installed site at no additional charge of whatsoever nature to the Bank. The supplier must submit the OEM's Certificate certifying that all spares and service contracts, warranty and AMC period will be their responsibility in case the supplier is unable to honour the Terms of Contract as per the Tender Document.

## 23. MAINTENANCE STANDARD EXPECTED DURING WARRANTY

The supplier should ensure that the defects in the XBIS reported on any working day is set right on the same day and in no case later than the next working day. In case, the system or any equipment cannot be repaired within the stipulated period, the supplier should provide a replacement till the system/equipment is returned duly repaired.

## 24. ANNUAL MAINTENANCE CONTRACT

24.1 Should the Bank decide to do so, the supplier is expected to maintain the XBIS including all accessories/components and software supplied for at least five years after the expiry of warranty period (12 months). Comprehensive on-site maintenance charges, for the post warranty period, must be quoted in rupees per year in the Commercial Offer. During the warranty period and the comprehensive AMC period, the supplier is expected to visit the XBIS site at least once in a quarter for preventive maintenance/servicing and on call by the Bank any number of times in case of defects, if any, in the system without any additional cost to the Bank and the supplier shall maintain the equipment and repair/replace all defective components, major or minor and may use for this purpose spares or consumables including conveyor belt and lead flaps (curtains) at no additional charge other than the AMC contract charges. The AMC charges will be released in two installments at the end of every six- month period from the date of the expiry of warranty, on satisfactory performance of the XBIS and against submission of a service report.

24.2 After the post-warranty mandatory comprehensive AMC period, the supplier may continue the Annual Maintenance Contract at the price/charges as agreed upon by the Bank and the supplier in the Tender. If any of the peripherals, components etc., are not available or difficult to procure or if the procurement is likely to be delayed, the replacement shall be carried out with equipment of equivalent capacity or higher capacity at no additional charges to the Bank during the currency of warranty period and 05 years AMC period.

Annexure – I

(Letter to the bank on the Supplier's letterhead)

To

The Dy. Zonal Head
Bank of Baroda
Zonal Office Eastern Zone,
Baroda Towers
Plot No. 38/2, Block-GN
Sector – V
Salt Lake City
Kolkata - 700091

Dear Sir,

**Sub: Your tender notice for XBIS**

With reference to the above tender notice, having examined and understood the instructions, terms and conditions forming part of the tender forms, we hereby enclose our offer for the supply of the XBIS equipments as detailed in your above referred tender notice.

We confirm that we have not been disqualified by any PSU bank for supply of XBIS.

We further confirm that the offer is in conformity with the terms and conditions as mentioned in the tender form.

We also confirm that the offer shall remain valid for 120 days from the last date for submission of the offer.

We hereby undertake to provide an unconditional Performance Bank Guarantee equivalent to 10% of the value of the Invoice amount with a validity period of 30 months from the date of the order.

We understand that the Bank is not bound to accept the offer either in part or in full and that the Bank has the right to reject the offer in full or in part without assigning any reason whatsoever.

We enclose herewith a Demand Draft/Pay Order for Rs.20,000/- (Rupees Twenty Thousand only) favouring Bank of Baroda and payable at Kolkata, towards Earnest Money Deposit, details of the same is as under:

- Demand Draft/Pay Order No. :
- Date of Demand Draft/Pay Order :
- Name of Issuing Bank :

Yours faithfully,

Authorised Signatories
(Name & Designation, seal of the firm)

Annexure - II

## SUPPLIER PROFILE

1. Name of the Organization and Address:

2. Year of Establishment:

3. Status of the firm:
(Whether Pvt. Ltd. company / Pubic Ltd. company/ Partnership Firm / Proprietorship Firm)

4. Name of the Chairman/Managing Director/CEO/Country Head (as the case may be):

5. Whether registered with the Registrar of Companies/Registrar of Firms in India. If so, mention number and date and enclose Registration Certificate copy.

6. a) Name and address of Bankers :
i) ii)

b) Turnover of the Company/Firm in 2010-2011,2011-12 and 2012-13:
(Please attach a copy of audited Balance Sheet and Profit & Loss Account for the years 2006-07, 2007-08 and audited /unaudited balance sheet for 2008-09)

2010-11 :
2011-12 :
2012-13

7. Whether registered for sales tax purposes. If so, mention number and date. Also furnish copies of sales tax clearance certificate.

8. Whether an assessee of Income Tax. If so, mention Permanent Account Number. Furnish copies of Income tax clearance certificate.

9. Is the Company/Firm a manufacturer of XBIS System? If yes,

a) Give the Name of the country where manufacturing unit is located.

b) Mention the address and phone number of the company's Kolkata office below:

c) Give the date of opening of Kolkata Office.

10. Give details of the after-sales service facility in terms of technical manpower and spares provided by your company in Kolkata.

11. What are your main fields of activities? Mention the fields giving the annual turnover for each field.

i)

ii)

iii)

iv)

12. Since when and how long your Company/firm has been manufacturing XBIS Systems.

13. If you have been prequalified by other organization/statutory bodies, such as Banks, CPWD, PWD, etc. for XBIS System furnish their names, category and date of registration.

14. Furnish the names of renowned organizations, where you have installed XBIS Systems in Kolkata in the last three years ending 31 March 2013:

| Name of Organisation with Address | Year of Installation | Value of orders |
|---|---|---|
| | | |

(Please attach the copies of their orders)

15. Details of Technical Staff at Kolkata:

| Sr. No. | Name | Qualification | Post Held | Experience |
|---|---|---|---|---|
| | | | | |

16. List of Enclosures :-

(a) Certificate of Registration / Partnership Deed.
(b) Certificates of Registration with Income Tax, Service Tax, EPF, ESI, VAT/TIN.
(c) Audited Balance Sheet (Statements of last 3 Years).
(d) Copies of Work Orders as mentioned above along with photocopies of relevant TDS Certificates and satisfactory Completion Certificates.
(e) Copies of Income Tax Returns / Assessment Orders for the last 3 Years.
(f) Performance Guarantee.
(g) Copies of registration with SSI/NSIC or ISO 9000 certification, if any.

Note: In absence of any of the above enclosures, your application is likely to be rejected.

## DECLARATION

1. I / We have read the instructions appended and all terms and conditions and I / We understand that if any false information is detected at a later date, any future contract made between ourselves and Bank of Baroda, on the basis of the information given by me / us can be treated as invalid by the Bank and I / We will be solely responsible for the consequences.

2. I / We agree that the decision of Bank of Baroda in selection of contractors will be final and binding to me / us.

3. All the information furnished by me hereunder is correct to the best of my knowledge and belief.

4. I / We agree that I / we have no objection if enquiries are made about the work listed by me / us in the accompanying sheets.

5. I / We agree that I / We have not applied in the name of sister concern for the subject empanelment / tender process.

Place :
Date :

SIGNATURE
NAME & DESIGNATION
SEAL OF ORGANISATION

Annexure III

# TECHNICAL SPECIFICATIONS FOR XBIS

Note: Suppliers should state 'Yes' if the XBIS offered by them conform to the required specifications, orelse they should state 'No'. The suppliers who reach Stage-III of the Evaluation Process will be required to demonstrate these specifications in the XBIS offered by them.

| Sl. No | Required General Specifications for XBIS | | Supplier's Compliance (Yes / No) |
|---|---|---|---|
| 1. | Baggage type | The machine should be capable of scanning hand bags and very flat objects such as envelopes. | |
| 2 | Tunnel Dimensions | a) Tunnel Dimension should be in the range of 360-400 mm (height) and 550-600 mm (width).<br>&<br>b) Tunnel Dimension should be in the range of 420-450 mm (height) and 620-650 mm (width).<br>**Note: Give Price Bid for both the types of XBIS separately and Bank will be the final authority to decide on the selection of the above two dimensions.** | |
| 3. | Penetration | Penetration should be up to 28 mm or more thickness of steel at 140 KVA. | |
| 4. | Resolution | The machine should be able to display a single insulated copper wire of 40 AWG. All penetration and resolution condition must be available simultaneously without operator intervention. | |
| 5. | Film Safety | Photographic films should not be damaged due to X-ray radiation. The machine should be film safe in compliance with ISO 1600/33 DIN | |
| 6. | X-Ray dose | The radiation level should not exceed accepted health standard i.e., within 0.1 mR/hr at a distance of 5 cm from external housing. | |
| 7. | X-RayBeam divergence | The X-ray beam divergence should be such that the complete image of maximum size of bag is displayed without corner cuts. | |
| 8. | X-Ray inspection | Facility for variable contrast should be incorporated to allow enhancement of lighter and darker portion of the image. System should have facility of variable Gamma, organic & inorganic stripping, baggage counter | |
| 9. | Audio Visual Alarm | If the machine fails to penetrate a particular item, then both audio and visual alarm should be generated with the visual alarm confined within the non penetrating material, to notify the operator. | |
| 10. | Defective Diode | In case of defective diode arrays, the scanning should be disabled and error message should be displayed on the screen. However, the scanning should be programmable, so that if the defective diodes are less than the programmable value of the detector set, scanning should be enabled | |
| 11. | Lead impregnated safety screens | Lead impregnated safety screens should be available at either ends of the tunnel. | |
| 12. | Idle Rollers | Idle rollers should be provided at either ends of the tunnel to facilitate placing of baggage at the input and output points | |
| 13. | Conveyor height | The Conveyor height shall be in the range of 750-850 mm. | |
| 14. | Conveyor belt speed | Conveyor belt speed should be between 0.2- 0.3 Mtrs. Per second for handbags. | |
| 15. | Input / Output roller system | The ramp as well as input and output points should have some barrier so that luggage is prevented from falling sideway. The input and output frame shall be provided with rollers of length 600 mm on each side. | |

| Sl. No | Required General Specifications for XBIS | | Supplier's Compliance (Yes / No) |
|---|---|---|---|
| 16. | Conveyor load | Minimum125 to 150 kg. distributed over the conveyor | |
| 17. | Operating temperature | The operating temperature should be 0 Deg C to 40 Deg C and storage temperature :-20 Deg C to 60Deg C | |
| 18 | Cover | Anti-rodent cover should be provided. | |
| 19. | Duty Cycle | Duty cycle should be 100% and the system should be ready for operation within 2 mins in case of power failure. | |
| 20. | Control desk | Control desk with security housing and locking provision should be available. | |
| 21. | Power conditioning | Suitable Servo Stabiliser with inbuilt Isolation Transformer should be provided | |
| 22. | Bi-directional scanning | Bi-directional scanning facility should be provided without holding any switch. | |
| 23. | Certification | 1. The machine should comply with requirements of health and safety regulations with regard to mechanical, electrical and radiation hazards. The supplier should furnish NOC from AERB of India regarding radiation safety (specific model wise, offered by the manufacturer / supplier) / Type Approval from AERB of India (Specific model approval) regarding radiation safety.<br>2. ISO 9000 certification for design and manufacturing and ISO9001:2000 certification for maintenance and after sales support in India. | |
| 24. | Operational safety | Emergency stop switch at both the ends of tunnel should be provided | |
| 25. | User Manual | Two sets of operator manual should be provided with the system. | |
| **X-RAY GENERATOR** | | | |
| 26. | Anode Voltage | 140 KV to 160 KV (Typical range) | |
| 27. | Cooling | Hermetically sealed oil bath | |
| 28. | Beam direction | Diagonal / vertically upward from bottom to top | |
| 29. | Tube current | 0.7 mA to 1mA (Typical range) | |
| **IMAGE GENERATING SYSTEM** | | | |
| 30. | Image Presentation | The system should be able to produce clear color & monochrome images on a colour monitor with minimum of 1024 x 768 pixels, 17" size SVGA High Resolution Monitor. | |
| 31. | Keyboard control | Image features should be keyboard controllable | |
| 32. | Zoom facility | Zoom facility should be available to magnify the chosen area of an image up to eight times (x8) or more. (Zoom Range x2 to x8) | |
| 33. | Image Recall Capacity | The system should be capable of recalling 15-20 previous images. | |
| 34. | Image archive | The system should have the capability of archiving not less than10000 images. | |
| 35. | Grey levels | Approximately 4096 Grey levels should be stored. | |
| 36. | Computer Details | It shall be P IV latest model with 512 MB RAM or more & CDR/W & hard disk capacity of 80 GB or more | |
| **SOFTWARE SPECIFICATIONS** | | | |
| 37. | Single software | The system should work on one software only | |
| 38. | Keyboard | A. All operating software features should be controlled from control keyboard of machine only.<br>B. Keyboard function should be "user friendly" | |

| Sl. No | Required General Specifications for XBIS | | Supplier's Compliance (Yes / No) |
|---|---|---|---|
| **THREAT IMAGE PROJECTION (TIP) SOFTWARE** | | | |
| 39. | Password | All software features of machines should be 'online" and protection "password" protected". | |
| 40. | On-line recording & storage | The system should have online recording facility and the image files should be transferrable to CD | |
| 41. | Report facility | The system should have software-controlled diagnosis report facility and the system should give printout, if printer is connected. | |
| 42. | No rebooting | The system should not require rebooting to enable / disable a software feature | |
| 43. | Supervision & training of operators | TIP software facility should be incorporated in the offered X-ray machine to assist supervisors in testing the operator's alertness and training X-ray screener / operators to improve their ability in identifying specific threat object. | |
| 44. | Image library | The TIP facility should have an image library containing at least100 explosive devices, 100 knives and 100 firearms as well as CDs, floppies, thumb devices, etc., in various sizes, shapes, locations and orientations. | |
| 45. | Expansion of TIP library | The system should have facility to expand the library to incorporate additional images by user without assistance of the manufacturer. | |
| 46. | Realistic images | The image library should contain images of threats at different orientations – both plane and end-on orientation should be used. All image projection images should be realistic, representative and non-distinguishable from real threat items. | |
| 47. | Image analysis | Once the screener / operator has responded to identify the computer generated threat image, it should remain on the screen for a predefined user programmable time for analysis. The image should be highlighted, upon identification, and feedback message shall be visible to the screener / operator. | |
| 48. | System Administrator | The threat image projection facility should have details of user database such as screener / operator name, user ID number, level of access such as screener / operator and Administrator with password. | |
| 49. | Restricted Access | Access to startup menu should be restricted only to authorized individuals. A login procedure by means of 'Password' or 'Security Key' should be provided to achieve restricted access. | |
| 50. | Log-In Time | The login procedure should not take more than 20 seconds. | |
| 51. | Facility to by-pass TIP | The system should have facility to bypass the TIP facility, if programmed so, by the system Administrator. It is to be ensured that the TIP software should not be a hindrance to normal functioning of X-ray machines. | |
| 52. | Messages | When operator logs in or logs out, appropriate messages should be displayed on XBIS VDU Screen to confirm that the operator has been correctly logged in or logged out. | |
| 53. | Storing Data | All TIP data should be stored in the system database for a minimum period of two months, after it has been downloaded. No individual, regardless of access rights to the TIP components should be able to delete or amend any of the TIP data i.e. TIP data on the actual x-ray machine should be stored as read-only files | |
| 54 | Feedback | The feedback should clearly indicate on screen that a TIP object has been correctly identified / TIP object has been missed/No TIP object was present. No message needs to be presented if the screener/operator correctly passes a clear bag. | |
| 55. | Feedback to the screener/ Operator | Different colour coding should be used for feedback to the screener/operator | |
| 56. | Daily log | The system should automatically prepare the daily log of events for each shift and for each screener/operator performance. | |
| 57. | Contents of TIP log | TIP log should indicate particulars of name of the screener /operator, time and date of threat image projection, whether threat image was successfully identified or missed, etc | |
| 58. | Report | The report on TIP system should have date and time (from-to) as per requirement, screener/ operator particulars and decision/outcome such as 'HIT', 'MISS' or 'FALSE ALARM' in percentage as well in absolute numbers, number of bags screened, categories of threat objects such as explosives devices,knife, weapon, etc. | |

| Sl. No | Required General Specifications for XBIS | | Supplier's Compliance (Yes / No) |
|---|---|---|---|
| 59. | Types of reports | The system should be able to generate daily, weekly, monthly reports as well as for any given time and period. | |
| **COMBINED TEST PIECE (CTP)** | | | |
| 60. | Supply details | The agency should arrange for testing as detailed above using CTP on a quarterly basis during preventive maintenance/or any other time when the supervisor suspects the image quality | |
| 61. | Training on system operation | It should be imparted to a group of 10 -15 operators, every 3 months during warranty period | |
| 62. | Service Centres | Provide proof of service centre with locations, contact details and full particulars of service engineers manning the branch. | |
| 63. | Automatic Detection of Threat objects | The system should be able to automatically detect any threat object by highlighting the suspect area with a ring of appropriate colour. | |

**Annexure - IV**

**UNPRICED VERSION OF BILL OF MATERIAL**

NOTE:

1. Prices are not to be furnished in this Annexure.
2. Supplier should only confirm in the respective columns that the total cost in rupees, in figures and in words, has been quoted in the Bill of Material and Price Schedule in Commercial Offer at Annexure - VII.

I) Items to be considered for total cost of ownership
(Price for one XBIS system including all items as described below)

| **Items Description** | **Total Cost (Rs.) in figures given in Commercial Offer?** | **Total cost in words (Rupees) given in Commercial Offer?** |
|---|---|---|
| X-ray Baggage Scanner with input-output rollers & frame, Stabilizer with isolation transformer and a 17" CRT monitor & operation key board in a console cabinet with lockable housing. | (Yes / No) | (Yes / No) |

II) **Post Warranty Comprehensive AMC rate per annum**

| **Description** | **Supplier's Confirmation** |
|---|---|
| 1 Year after warranty period of 12 months | YES/NO |
| 2nd Year | YES/NO |
| 3rd Year | YES/NO |
| 4th Year | YES/NO |
| 5th Year | YES/NO |
| Total | |

**Annexure - V**

## Self-assessed Evaluation Parameters & Weightage Marks

| Sr. No | | Evaluation Parameter | Weightage | Self Assessment Marks |
|---|---|---|---|---|
| **1** | | **Average Sales turnover of the firm for the last 3 years** | | |
| | 1.1 | Sales of Rs.15.00 crore and above | **20** | |
| | 1.2 | Sales of Rs.12.00 crore and above, but less than Rs.15.00 crore | **15** | |
| | 1.3 | Sales of Rs.10 crore and above, but less than Rs.12.00 crore | **10** | |
| **2** | | **Firm's average net profit for the last 3 years** | | |
| | 2.1 | Net Profit of Rs.1.00 crore and above | **10** | |
| | 2.2 | Net Profit of Rs.50 lacs and above, but less than Rs.1.00 crore | **5** | |
| **3** | | **Works Executed – during last 3 years in Kolkata** | | |
| | 3.1 | Installed XBIS units 30 and above | **30** | |
| | 3.2 | Installed XBIS units 20 and above, but less than 30 | **20** | |
| | 3.3 | Installed XBIS units 10 and above, but less than 20 | **10** | |
| | 3.4 | Installed XBIS units 6 and above, but less than 10 | **5** | |
| **4** | | **No. of years in XBIS business** | | |
| | 4.1 | 10 years & above | **20** | |
| | 4.2 | 5 years & above, but less than 10 years | **10** | |
| **5** | | **Whether ISO 9001 certified** | | |
| | 5.1 | If yes | **10** | |
| | 5.2 | If No | **0** | |
| **6** | | **No. of qualified Engineers in Kolkata** | | |
| | 6.1 | 10 and above | **10** | |
| | 6.2 | 5 and above, but less than 10 | **05** | |

Note:
In order to assist the process of evaluation, suppliers are required to submit documentary evidences to support their claims on the above parameters. If a supplier does not provide any of these details, no marks will be given to the supplier in evaluation process. Minimum qualifying marks is 70.

Annexure - VI

## Reference Site Details

| | |
|---|---|
| (1) Name of the company | |
| Address of the company | |
| Name, designation of contact person with telephone No. and e-mail id | Name:<br>Designation:<br>Landline No.:<br>Cell No.:<br>E-mail id: |
| Details of XBIS supplied in last 3 years (Ref. No., date of order and quantity) | |

| | |
|---|---|
| (2) Name of the company | |
| Address of the company | |
| Name, designation of contact person with telephone No. and e-mail id | Name:<br>Designation:<br>Landline No.:<br>Cell No.:<br>E-mail id: |
| Details of XBIS supplied in last 3 years (Ref. No., date of order and quantity) | |

| | |
|---|---|
| (3) Name of the company | |
| Address of the company | |
| Name, designation of contact person with telephone No. and e-mail id | Name:<br>Designation:<br>Landline No.:<br>Cell No.:<br>E-mail id: |
| Details of XBIS supplied in last 3 years (Ref. No., date of order and quantity) | |

AUTHORISED SIGNATORY

Annexure - VII

## COMMERCIAL OFFER

### BILL OF MATERIAL AND PRICE SCHEDULE

I) Items to be considered for Total Cost of Ownership (TCO)
(Price for one XBIS system including all items as described below)

**Bill of Quantity-Price Bid**

**Note: Submit Separate Price Bid for both the dimensions given in the Technical Bid**

| ITEM DESCRIPTION | MAKE and Model No. | TOTAL COST (Rs.) | TOTAL COST IN WORDS (Rs.) |
|---|---|---|---|
| X-ray Baggage Scanner with input-output rollers & frame, Servo Stabilizer with isolation transformer and a 17" CRT monitor & operation key board in a console cabinet with lockable housing. | | | |

II) Post Warranty Comprehensive AMC rate per annum

| Sr. No. | Description | Comprehensive AMC charges (Rs.) | Charges in words |
|---|---|---|---|
| 1 | 1st Year after warranty period of 12 months | | |
| 2 | 2nd Year | | |
| 3 | 3rd Year | | |
| 4 | 4th Year | | |
| 5 | 5th Year | | |
| | | | |

TOTAL

Grand Total (Section I + Section II) = _____

Note:

1. The cost of the XBIS and the post warranty Comprehensive AMC cost for five years will be taken into consideration for deciding the lowest quotation.
2. Total cost must be quoted in FIGURES AND WORDS.
3. In case of any discrepancy, total cost quoted in words will be considered for computation of TCO.
4. Cost comparison will be on the basis of total cost of ownership calculated as explained above along with comprehensive AMC cost for five years
5. The price quoted above shall be inclusive of all labour costs, taxes, duties, and levies (except octroi which will be at actual)